IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Confirmation No.: 7752

REA ET AL. Art Unit: 3721

Application No.: 10/569,553 Examiner: Lindsay M. Low

Filed: February 27, 2006 Attorney Dkt. No.: 023349-00316

For: DOSING DEVICE FOR FEEDING AN INFUSION PRODUCT

AMENDMENT UNDER 37 C.F.R. §1.111

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450 Date: June 5, 2007

Sir:

This paper is in reply to the Office Action dated December 5, 2006, the period for response being extended from March 5, 2007 to June 5, 2007 by the attached Petition for Extension of Time.

Amendments to the **Drawings** are submitted on page 2.

Amendments to the **Specification** are submitted on page 3.

Amendments to the **Claims** are submitted on page 6.

Remarks are submitted on page 10.

Please amend the paragraph beginning on page 3, line 6 of the Specification as follows:

Accordingly, the present invention provides a dosing device for feeding an infusion product, comprising conveying means of the rotary drum type, positioned between a web of filter material and a hopper for containing the infusion product; the drum type conveyor means having a plurality of radial cells made in it for containing the infusion product and in which ~~there slide piston type dosing means~~ in each cell is a sliding dosing piston; each dosing piston being driven axially by respective eccentric cam actuating means between two end positions, one of which corresponds to a top dead centre where each dosing cell faces the hopper in order to receive a quantity of the infusion product, and the other corresponds to a bottom dead centre where the dosing cell faces the web of filter material in order to discharge the quantity of infusion product onto the web of filter material; the dosing device being characterised in that between the actuating means and each piston there are crank mechanisms designed to act coaxially on the piston in such a way as to enable the piston to move in a direction that is perfectly aligned with a longitudinal axis of the respective dosing cell.

Please amend the paragraph beginning on page 5, line 2 of the Specification as follows:

Again with reference to Figures 1 and 2, the cam means 7 comprise, for each piston 6, at least one circular cam track [[7a]] in which a cam follower 7b runs.

Please amend the paragraph beginning on page 5, line 5 of the Specification as follows:

More specifically, the cam track [[7a]] consists of two separate, substantially semicircular segments 7a, 25 which enable the pistons 6 to move in the manner described above: the segment 25 (Figures 2 and 3) is fixed and enables each piston 6 to discharge the dose onto the web 3; the segment 7a, on the other hand, is adjustable by suitable means 26 that protrude from the first drum 2 in order to adjust the distance, within a predetermined range, between the piston 6 and the outside surface of the first drum 2 so as to vary the quantity of infusion product that is placed in the respective dosing cell 5.